

PANTONE® BASIC UVPACK SERIES

The inks of PANTONE® BASIC UVPACK series show very good adhesion on all possible closed substrates. PANTONE® BASIC UVPACK series contains carefully selected raw materials to minimise the risk of skin irritation and cause as little odour as possible. It does not contain raw material listed on CEPE or TSCA exclusion list.



TECHNICAL SPECIFICATIONS

PANTONE® BASIC UVPACK SERIES	CODE	LIGHT (IWS)	RESISTANCES		
			ALCOHOL	NITRO	ALKALI
PANTONE® BASIC YELLOW UVPACK	C000000340	5	+	+	+
PANTONE® BASIC ORANGE UVPACK	C000000330	5	+	+	+
PANTONE® BASIC WARM RED UVPACK	C000000332	3	+	+	-
PANTONE® BASIC 032 RED UVPACK	C000000333	7	-	-	+
PANTONE® BASIC RUBINE RED UVPACK	C000000334	5	+	+	-
PANTONE® BASIC RHODAMINE RED UVPACK	C000000335	3	-	-	-
PANTONE® BASIC PURPLE UVPACK	C000000336	3	-	-	-
PANTONE® BASIC VIOLET UVPACK	C000000339	3	-	-	-
PANTONE® BASIC 072 BLUE UVPACK	C000000376	3	-	-	-
PANTONE® BASIC REFLEX BLUE UVPACK	C000000327	4	-	-	-
PANTONE® BASIC PROCESS BLUE UVPACK	C000000328	8	+	+	+
PANTONE® BASIC GREEN UVPACK	C000000320	8	+	+	+
PANTONE® BASIC BLACK UVPACK	C000000331	8	+	+	+
UV PACK TRANSPARENT WHITE	C000000090	/	/	/	/

PRODUCT FEATURES

- Good adhesion.
- Excellent film lamination properties.
- Good “post-curing” rate.
- Very good rub resistance.
- Contains carefully selected raw materials to minimise the risk of skin irritation and causes as little odour as possible.
- Formulated without benzophenone and ITX.

PRINTING BEHAVIOR

- Application area: letterpress, wet offset.
- UV curing speed: 300 m/min or 9000 sheets/hour (with 3 lamps of 120 W/cm).
- Suitable substrates (Surface tension see “Recommended treatment levels”): high gloss paper and board, hard and soft vinyls (corona treated), coated metals, pre-treated plastic films (polyester, acetate), pre-treated PP films.

Recommended treatment levels (dynes/cm):

		PE	PP	PVC	PET	PS	PVDC	PU	ABS	PTFE	SILICONE
LITHO	MIN:	40	40	36	44	42	42	38	42	38	38
	MAX:	50	50	52	56	50	52	52	52	52	52
LETTERPRESS	MIN:	42	40	40	46	42	42	42	45	42	40
	MAX:	54	54	52	60	58	54	56	52	60	56

RECOMMENDATIONS
Cleaning

It is not necessary to wash the press immediately after printing. **PANTONE® BASIC UVPACK SERIES** will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs/UV-lamp is allowed to shine on the ink.

Rollers

The following roller material is recommended: EDPM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with UV-inks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks. Certain Metallic UV-inks may cause swelling of EPDM rollers. Nitril rubber rollers show minimal swelling with UV-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.

Shelf life

PANTONE® BASIC UVPACK SERIES has a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: the UV PACK SERIES should be kept on stock at temperatures between 15-20 °C (59-68 °F) and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.

Additives

Different additives can be used to improve the characteristics of this ink: wet additives, cleaning solutions, tack reducer paste, photoinitiators and thinners.

PACKAGING

- 1 kg
- 3 kg

PANTONE® BASIC UV PACK SERIES has been developed by R&D Department of MARTINEZ AYALA, S.A.



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